

LONDON-WEST MIDLANDS ENVIRONMENTAL STATEMENT

Volume 5 | Technical Appendices

CFA20 | Curdworth to Middleton

Impact assessment tables (CH-003-020)

Cultural heritage

November 2013 ES 3.5.2.20.6

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1 Introduction

1.1 Structure of the cultural heritage appendices

- 1.1.1 The cultural heritage appendices for Curdworth to Middleton (CFA20) comprise:
 - Appendix CH-001-020 Baseline report;
 - Appendix CH-002-020 Gazetteer of heritage assets;
 - Appendix CH-oo3-o20 Impact assessment table (this appendix); and
 - Appendix CH-004-020 Survey reports.
- 1.1.2 Maps referred to throughout the cultural heritage appendices are contained in the Volume 5 cultural heritage map book.

1.2 Impact assessment

Table 1 presents information on the impacts on all identified heritage assets and the likely resultant environmental effects, taking into account agreed mitigation measures. Details on the assignment of values and the assessment of the scale of impacts are set out in the Scope and Methodology Report (Volume 5: Appendix CT-001-000/1) and the Scope and Methodology Report Addendum (Volume 5: Appendix CT-001-000/2).

Table 1: Impact assessment for CFA20

Unique	Name	Designation(s)	(s) Value	Construction impact			Operation impact		
identifier				Nature of impact including mitigation	Scale of	Effect	Nature of impact including mitigation	Scale of	Effect
					impact			impact	
CWM001	Possible enclosure	None	Moderate	Construction of the main line will remove the asset	High adverse	Major adverse	No impact on significance	No change	Neutral
CWM002	Birch Wood Ridge and Furrow	None	Low	The asset lies within the land required for construction of the Proposed Scheme and will be removed to facilitate construction of the rail link to the Kingsbury Railhead.	High adverse	Moderate adverse	No impact on significance	No change	Neutral
CWMoo4	Butlers Croft ridge and furrow	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWMoo5	Curdworth Medieval Settlement	None	Low	The asset is not within the land required for construction of the Scheme. The development does not, therefore, affect the significance of the asset	No change	Neutral	No impact on significance	No change	Neutral
CWMoo6	Possible prehistoric ring ditch	None	Moderate	The asset lies within the land required for the construction of the Proposed Scheme and construction activity is expected to remove remains. Works in the area include construction of the main line and local access roads.	High adverse	Major adverse	No impact on significance	No change	Neutral
CWM007	Moat at Curdworth Hall Farm	None	Moderate	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWMoo8	Sych Wood	Ancient Woodland	High	The construction of the Proposed Scheme will require the removal of a small area of the woodland on its eastern side. The existing partly rural setting of the asset will be altered by the construction of rail sidings associated with the proposed scheme to the south.	Low adverse	Moderate adverse	No impact on significance	No change	Neutral
CWMoog	Ridge and furrow west of Lea Marston	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral

Unique	Name	Designation(s)	Value	Construction impact		_	Operation impact	•	
identifier				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
CWM010	Cropmark enclosure	None	Moderate	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWM011	Lea Marston Medieval Settlement	None	Moderate	The asset is not within the land required for construction of the Scheme. The development does not, therefore, affect the significance of the asset	No change	Neutral	No impact on significance	No change	Neutral
CWM012	Lea Marston Smithy	None	Low	The asset is not within the land required for construction of the Proposed Scheme and is screened from Proposed Scheme by intervening development. The Proposed Scheme does not, therefore, affect the setting or significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWM013	Charcoal burning site	None	Low	Construction of a cutting will require removal of a large portion of the asset	High adverse	Moderate adverse	No impact on significance	No change	Neutral
CWMo14	Possible deserted settlement	None	Moderate	Removal of possible Deserted medieval settlement near Curdworth. Cropmarks have indicated a possible deserted medieval settlement. The asset is located within areas of permanent and temporary land required for construction, including a proposed temporary construction compound	High adverse	Major adverse	No impact on significance	No change	Neutral
CWMo15	Dunton Wood	Ancient Woodland	High	During construction the current rural setting of the ancient woodland will be altered by construction activities including the realignment of Kingsbury Road, the excavation of a substantial cutting and the demolition of farm buildings c. 150m to the west. This will result in a minimal adverse temporary impact and minor adverse effect Following construction the Proposed Scheme will be visually screened from the asset and will not notably affect its setting.	Temporary Minimal adverse Permanent no change	Temporary minor adverse Permanent neutral	There will be an increase in noise in the western part of the woodland. This will alter the character and significance of the asset, resulting in a low adverse impact.	Low adverse	Moderate adverse
CWMo16	Possible moat at Blackgreaves Farm	None	Moderate	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWM019	Curvilinear and linear earthworks	None	Low	Asset lies within the land required for the construction of the Leeds Spur and Kinsgbury Railhead and will therefore be removed by construction works.	High adverse	Moderate adverse	No impact on significance	No change	Neutral
CWM020	Ridge and furrow at Cocksparrow House	None	Low	Asset lies within the land required for the construction of the Leeds Spur and Kinsgbury Railhead and will therefore be removed by construction works.	High adverse	Moderate Adverse	No impact on significance	No change	Neutral
CWM021	Cuttle Mill potential archaeological remains	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWM022	Historic hedgerow at Cuttle Mill	None	Moderate	Partial removal of an important hedgerows at Cuttle Mill as a result of construction of the main line	Medium adverse	Moderate adverse	No impact on significance	No change	Neutral
CWM023	Fish Ponds in North Wood	None	Moderate	Following construction the main line will run adjacent to the assets to the east, severing them from the associated historic landscape including a moat to the north. This will permanently adversely affect the setting of the asset.	Medium adverse	Moderate adverse	No impact on significance	No change	Neutral

Unique	Name	Designation(s)	Value	Construction impact			Operation impact			
identifier				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
CWMo24	North Wood	Ancient Woodland	High	During construction the current rural setting of the woodland will be disrupted by construction activities associated with the construction of embankments and the removal of areas of the woodland for the Proposed Scheme. This will result in a medium adverse temporary impact and major adverse effect. As a result of construction the north-eastern area of the woodland will be removed by the Proposed Scheme, dividing it from a scheduled moated site to the north. The presence of embankments will partially sever the woodland from its historic landscape resulting in a comprehensive change to the setting of the asset. This will permanently adversely affect the ancient woodland resulting in a high adverse impact and major adverse effect	Temporary medium adverse Permanent high adverse	Temporary major adverse Permanent major adverse	The operation of the scheme will result in a significant increase in noise, altering the quiet rural nature of the woodland. The operation of the scheme will be visible upon embankments adjacent to the asset. The operation of the scheme will result in a high adverse impact. There will also be a high adverse construction impacts as a result of changes to the setting of the asset. The combined permanent construction and operational impacts will adversely affect the setting of the asset, resulting in a high adverse impact.	High adverse	Major adverse	
CWMo25	Ridge and furrow within North Wood	None	Low	Construction of the main line will result in the removal of the asset.	High adverse	Moderate adverse	No impact on significance	No change	Neutral	
CWMo26	Cropmark Linear feature	None	Moderate	The asset lies partially within the area of land required for the construction of the main line and associated earthworks; it will therefore be largely removed.	High adverse	Major adverse	No impact on significance	No change	Neutral	
CWM027	Moat at North Wood	Scheduled Monument	High	During construction the rural setting of the moat will be disrupted by construction works for an embankment and viaduct immediately to the west, including a haul road and spoil storage areas. This will result in a high adverse temporary impact and major adverse effect. Following construction the Proposed Scheme will extend directly to the west of this asset, within a few metres of the scheduled area. The asset will be separated from the wider historic landscape to the west and south including potentially associated fish-ponds in North Wood and a mill at Cuttle Mill. This will permanently adversely affect the setting of the scheduled moat resulting in a high adverse impact and major adverse effect.	Temporary high adverse Permanent high adverse	Temporary major adverse Permanent major adverse	The operation of the scheme will be clearly visible immediately to the west and south of the asset and there will be a significant increase in noise. This will affect the quiet rural setting of the asset and will result in a high adverse impact. There will also be a high adverse permanent construction impact as a result of changes to the setting of the asset. The combined permanent construction and operational impacts will adversely alter key characteristics of the setting of this asset, resulting in a high adverse impact.	High adverse	Major adverse	
CWM028	Ridge and furrow at Homestead Farm	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral	
CWM029	Ridge and Furrow and field boundaries	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral	
CWMo3o	Possible linear ditch east of Middleton Farm	None	Moderate	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral	
CWMo31	Ridge and furrow at Bodymoor Heath	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral	
CWMo32	Site of Smithy at Bodymoor Heath	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral	
CWMo33	Ridge and furrow	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral	

Unique	Name	Designation(s)	Value	Construction impact			Operation impact		
identifier				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
CWMo34	Linear ditches and possible enclosures	None	Moderate	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWMo ₃ 6	Ridge and Furrow at Lower Farm	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWMo37	Site of Brickworks	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWMo38	Ridge and Furrow at Hunts Green	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWMo39	Coneybury Wood	Ancient Woodland	High	During construction the current rural setting of the ancient woodland will be altered by construction activities. This will result in a minimal adverse temporary impact and minor adverse effect	Temporary minimal adverse	Temporary minor adverse	There will be an increase in noise within the western part of the asset this will affect the rural character of the asset, resulting in a low adverse impact.	Low adverse	Moderate adverse
				Following construction the Proposed Scheme will not notably affect the setting and significance of the asset which lies outside of the land required for the construction of the Proposed Scheme and within a landscape currently characterised by reclaimed gravel workings.	Permanent no change	Permanent neutral			
CWM040	Rogers Coppice	Ancient Woodland	High	During construction the current rural setting of the ancient woodland will be altered by construction activities. This will result in a minimal adverse temporary impact and minor adverse effect	Temporary minimal adverse	Temporary minor adverse	There will be a small increase in noise in a small part of the asset this will vary slightly affect the rural character of the asset, resulting in a minimal adverse impact.	Minimal adverse	Minor adverse
				The Proposed Scheme will not notably affect the setting and significance of the asset which lies outside of the land required for the construction of the Proposed Scheme in an area of agricultural land.	Permanent no change	Permanent neutral			
CWM041	Cropmark ditches and pits	None	Moderate	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWM044	Cropmark enclosures at Middleton Park	None	Moderate	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
DHW148	Historic hedgerow at Parish boundary	Important Hedgerow	Moderate	North of Middleton an approximately 150m section of important hedgerow lies within areas of permanent and temporary land required for construction and will be removed as part of the construction of the main line	Medium adverse	Moderate Adverse	No impact on significance	No change	Neutral
CWMo46	Moat at Middleton Hall	None	Moderate	The asset is not within the land required for construction of the Proposed Scheme and the Proposed Scheme will not affect its setting	No change	Neutral	No impact on significance	No change	Neutral
CWMo47	Site of Ironworks	None	not significant	The precise location of the Ironworks at Middleton is unknown therefore its condition and value cannot be determined. There is a potential permanent impact, therefore, on unknown archaeological deposits.	High adverse	Negligible adverse	No impact on significance	No change	Neutral

Unique	Name	Designation(s)	Value	Construction impact	T.	_	Operation impact		
identifier				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
CWMo48	Historic core of Middleton including group of designated buildings and non-designated buildings at Middleton Village	listed buildings	Moderate	The historic core of the settlement at Middleton is situated approximately 500m from the Proposed Scheme. The core will be largely screened from the main line and extensive landscape earthworks and planting will minimise views of the main line from the wider village and its historic core. The Proposed Scheme will not substantially alter the setting of the core.	Low adverse	Minor adverse	No impact on significance	No change	Neutral
CWMo49	Ridge and furrow	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWMo50	Linear cropmark	None	Moderate	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWM051	Ridge and furrow at Upper House Farm	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWMo52	Newlands Farm, Faraday Avenue, Curdworth	None	Low	During the construction of the Proposed Scheme c.8om to the west and temporary construction compounds to the west and south, the setting of the asset will be disrupted. Whilst the setting of the asset is currently characterised, to a large degree, by major modern infrastructure and development the construction works will essentially surround the asset resulting in temporary high adverse impact and moderate adverse effect. Following construction the presence of embankments to the west and south-west will sever the asset from its surviving historic landscape, resulting in the further degradation of its once rural setting. This will result in a high adverse impact and moderate adverse effect	Temporary high adverse Permanent high adverse	Temporary moderate Adverse Permanent moderate adverse	There will be a significant increase in noise and ground borne noise / vibration impacts. These will further degrade the character and setting of the asset, resulting in a high adverse impact. There will also be high adverse permanent construction impacts as a result of changes to the setting of the asset. The combined permanent construction and operational impacts will adversely alter the setting of this asset, resulting in a high adverse impact.	High adverse	Moderate adverse
CWMo53	Group of non-designated buildings along Coleshill Road, Curdworth	None	Not significant	The assets within Curdworth are considered to be a group. There are no views to or from these assets and the Proposed Scheme which lies on the opposite side of the M42/M6 to the settlement. Consequently there is not considered to be any impact to their significance or setting.	No change	Neutral	No impact on significance	No change	Neutral
CWMo54	Church of St. John the Baptist, Lea Marston and Cross approximately 20 metres south west of the Church	Listed Building	Moderate	This asset is situated within a secluded area with no views to or from the Proposed Scheme. Consequently there is not considered to be any impact to the structure or setting of this asset.	No change	Neutral	No impact on significance	No change	Neutral
CWMo55	Group of non-designated buildings at Curdworth:	None	Low	There are no views to or from these assets and the Proposed Scheme which lies on the opposite side of the M42/M6 to the settlement. Consequently there is not considered to be any impact to their significance or setting.	No change	Neutral	No impact on significance	No change	Neutral
CWMo56	Group of designated buildings at Curdworth	Listed Building	Moderate	There are no views to or from these assets and the Proposed Scheme which lies on the opposite side of the M42/M6 to the settlement. Consequently there is not considered to be any impact to their significance or setting.	No change	Neutral	No impact on significance	No change	Neutral
CWMo57	Church of St. Nicholas and St. Peter, Curdworth.	Listed Building	High	This asset is located on the western edge of the centre of Curdworth. Whilst there are no views towards the route of the Proposed Scheme from the asset, it is situated on a local high point and there may be long distance views towards the spire. It is, however, considered that there will be no discernible impact to the setting of this asset.	No change	Neutral	No impact on significance	No change	Neutral

Unique	Name	Designation(s)	Value	Construction impact			Operation impact		
identifier				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
CWMo58	Group of designated buildings along School Lane	Listed Building	Moderate	A balancing pond and landscaping will be situated to the south-west of the settlement and these assets. This will not affect the partly rural setting of the settlement or the assets.	No change	Neutral	No impact on significance	No change	Neutral
CWMo59	Dunton Hall, Barn and Pigeonhouse	Listed Building	Moderate	During construction the rural setting of the assets will be altered by the excavation of a large cutting to the east of the hall and adjacent to the barns. This will involve the operation of construction plant with potential associated noise. The construction of the cutting will sever the relationship between the hall, barns and pigeonhouse and its surrounding agricultural landscape. Works associated with the realignment of Kingsbury Road and a construction compound to the north of the road, will also alter the rural setting of the assets. This will result in a high adverse temporary impact and major adverse effect. Following construction the scheme will be located c.7om to the east of Dunton Hall, within a large cutting. The hall has views to the east across open agricultural land from all floors of the property. The setting of the hall will be severed from its historic landscape and be totally altered. The listed barn will be located immediately adjacent to the Proposed Scheme. This will result in a high adverse impact and major adverse effect.	Temporary high adverse Permanent high adverse	Temporary major Adverse Permanent major adverse	There will be an increase in noise during the operation of the scheme, affecting the quiet rural setting of the asset. This will result in a high adverse impact. There will also be a high adverse permanent construction impact. The combination of the operational impacts and the permanent construction impacts increases the overall impact of the scheme on this asset. The dominant presence of a large cutting coupled with changes in noise and the visual environment will result in a high adverse impact.	High adverse	Major adverse
CWMo6o	Dunton Hall garden, Dunton Hall	None	Low	During construction the setting of the garden will be altered by the excavation of a large cutting c.100m to the east, and the realignment of Kingsbury Road to the north, including temporary works compounds. This will result in a high adverse temporary impact and moderate adverse effect. Following construction a small part of the garden may be required for construction for the Proposed Scheme and the setting of remaining areas will be altered by the presence of a large cutting to the east. This will result in a high adverse impact and major adverse effect.	Temporary high adverse Permanent high adverse	Temporary moderate Adverse Permanent moderate adverse	There will notable sound levels from the operation of the railway, resulting in a medium adverse impact. There will also be high adverse permanent construction impacts as a result of changes to the setting of the asset. The combined permanent construction and operational impacts will adversely alter key characteristics of the setting of this asset, resulting in a high adverse impact.	High adverse	Moderate adverse
CWMo61	Mullensgrove Farm, Kingsbury Road	None	Low	Demolition of Mullensgrove Farm and ancillary buildings. The farm lies within the permanent land required for construction of the scheme within a proposed cutting associated with the Leeds Spur.	High adverse	Moderate adverse	No impact on significance	No change	Neutral
CWMo62	The Spinney, Blackgreaves Lane	None	Low	There is not considered to be any impact to the structure or setting of this asset. Existing mature planting will screen the asset from the proposed scheme, including the Kingsbury Road Railhead, to the north.	No change	Neutral	There will be an increase in noise affecting the quiet rural setting of the asset and resulting in a low adverse impact	Low adverse	Minor adverse
CWMo63	Blackgreaves Farmhouse	Listed Building	Moderate	The Kingsbury Road Railhead will be glimpsed to the west from the asset over the adjacent golf course. This will have minimal impact on the wider rural setting of the asset.	Low adverse	Minor adverse	Trains may be visible to the west.	Low adverse	Minor adverse

Unique	Name	Designation(s)	Value	Construction impact			Operation impact		
identifier				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
CWMo64	Lea Marston Old School, Kingsbury Road	None	Low	During construction and operation of the Kingsbury Road Railhead c. 6om to the west and north, the rural setting of the asset will be substantially altered by noise and activity. This will result in a temporary medium adverse impact and minor adverse effect. The construction of the Kingsbury Road Railhead will include the removal of extensive areas of fields and some woodland which form the key components of the wider rural setting of this asset and contribute to its significance and our appreciation of that significance. The scale of change will vary considerably alter the setting of the asset resulting in a high adverse impact and moderate adverse effect.	Temporary medium adverse Permanent high adverse	Temporary minor adverse Permanent moderate adverse	The permanent works associated with Proposed Scheme do not include an operational railway on the spur. There will therefore be no operational impacts.	No change	Neutral
CWMo65	Cabot Lodge, Lea Marston	Listed Building	Moderate	The principal elevation of the building is orientated to the north. There may be restricted views towards the Proposed Kingsbury Road Railhead, to the north west from the asset. This will result in a temporary adverse impact during the construction and operation of the Kingsbury railhead.	Temporary low adverse	Temporary minor adverse	The permanent works associated with Proposed Scheme do not include an operational railway on the spur. There will therefore be no operational impacts.	No change	Neutral
CWMo66	Buildings at The Hollies, Marston	Listed Building	Moderate	The buildings are situated in Marston within a village setting close to the A4097. There is not considered to be any impact to the structure or setting of these assets	No change	Neutral	No impact on significance	No change	Neutral
CWMo67	Curdworth Tunnel on Birmingham and Fazeley canal	Listed Building	Moderate	The tunnel lies to the west of existing motorway infrastructure and is remote from the Proposed Scheme. There will be no impact on its setting.	No change	Neutral	No impact on significance	No change	Neutral
CWMo68	Birmingham and Fazeley Canal, Curdworth Top Lock No 28	None	Moderate	The lock lies to the west of the existing M6 toll motorway and outside of the land required for Construction. There will be no impact on its setting.	No change	Neutral	No impact on significance	No change	Neutral
CWMo69	Birmingham and Fazeley Canal, Dunton Wharf Bridge	None	Moderate	The bridge lies close to the A ₄₄ 6 and it is dominated by modern transport infrastructure. There will be longer distance views towards the Proposed Scheme along the canal but these will not notably affect the setting of the asset	No change	Neutral	No impact on significance	No change	Neutral
CWM070	Section of the Birmingham and Fazeley Canal including White Bridge, Marstone Lane Bridge, Willday's Farm Bridge, Fox's Bridge and Curdworth Locks 2 No 29, 3 No 30, 4 No 31, 5 No 32 and 6 No 33.	None	Moderate	During construction there will be an impact to the setting of the canal through work associated with a proposed viaduct and embankment, including temporary construction compounds to the south and north of the canal. This will result in a minimal adverse temporary impact and minor adverse effect due to the scale of works. Following construction the Proposed Scheme will cross the canal upon a viaduct, with embankments to the north. The scheme will alter the setting of the canal at the point where the scheme crosses, adding to existing modern infrastructure. These impacts will not however considerably change the setting of the canal in this location and will result in a minimal adverse impact and minor adverse effect	Temporary minimal adverse Permanent minimal adverse	Temporary minor adverse Permanent minor adverse	The Proposed Scheme crosses the canal in a location which is already characterised by motorway traffic and modern infrastructure. The addition of the trains and associated noise will not notably affect the setting of the asset in this location. There will be minimal adverse operational impacts. There will also be a minimal adverse construction impact. The combined permanent construction and operational impacts will adversely affect the setting of the asset, resulting in a low adverse impact.	Low adverse	Minor adverse
CWMo71	Birmingham and Fazeley Canal, Marston Field Bridge and Curdworth Lock 7 No 34	None	Moderate	This section of the canal is situated within a transport corridor alongside the M42 with the route of HS2 visible west from the asset across open land and southwest along the canal. The scheme will vary slightly alter the setting of these assets on the canal but will not result in significant change.	Minimal adverse	Minor Adverse	The Proposed Scheme crosses the canal in a location which is already characterised by motorway traffic and modern infrastructure. The addition of the trains and associated noise will not notably affect the setting of the asset in this location. There will be minimal adverse operational impacts. There will also be a minimal adverse construction impact. The combined permanent construction and operational impacts will adversely affect the setting of the asset, resulting in a low adverse impact.	Low adverse	Minor adverse

Unique	Name	Designation(s)	Value	Construction impact			Operation impact		
identifier				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
CWM072	Church of St. Chad, Wishaw	Listed Building	High	This asset lies within a remote rural setting to the west of the M6 Toll. Whilst the route of HS2 may be visible from the asset, the distance is such that there is not considered to be any impact to the setting or structure of this asset.	No change	Neutral	No impact on significance	No change	Neutral
CWM073	Well Cottage, Grove Lane Wishaw	Listed Building	Moderate	There is not considered to be any impact to the structure or setting of this asset.	No change	Neutral	No impact on significance	No change	Neutral
CWM077	Cuttle Mill, Cuttle Mill Lane	None	Low	The setting of the building complex will be altered by very extensive construction works associated with a large embankment and viaduct c. 3om to the east, including a temporary construction compound to the north. This will substantially alter the rural setting of the buildings. The construction works associated with a proposed access track to the south and west will further alter the rural setting of the asset. This will result in a high adverse temporary impact and moderate adverse effect. Following construction the rural setting of the asset will be substantially altered by the presence of embankments and a viaduct up to 10m above existing ground level and c. 30m to the east of the buildings. This will permanently adversely affect the setting of the asset and its relationship with the surrounding historic landscape.	Temporary high adverse Permanent high adverse	Temporary moderate adverse Permanent moderate adverse	The operation of the Proposed Scheme will be visible elevated on embankments and viaduct directly to the east of the asset. There will be an increase in noise. This will alter the relatively rural setting of the asset. These changes will result in a medium adverse impact. There will also be high adverse permanent construction impact. The combination of the operational and permanent construction impacts will adversely impact the setting of this asset, resulting in a high adverse impact.	High adverse	Moderate adverse
CWMo78	Grange View	None	Low	The asset occupies a roadside location approximately 500m from the main line of Proposed Scheme. In addition to the main line the access track outside the asset will be widened. The Proposed Scheme will alter the wider rural setting of the property but this will not substantially degrade the significance of the asset.	Low adverse	Minor adverse	Trains will be visible at distance. There will not be significant noise impacts at the asset. Operational changes will result in a minimal adverse impact. There will also be a low adverse construction impact. The combined permanent construction and operational impacts will adversely affect the setting of the asset, resulting in a low adverse impact.	Low adverse	Minor adverse
CWMo79	The Belfry	None	Low	There will be an impact to the sense of seclusion of the asset, however this is deemed to be minimal due to existing disturbance of current roads. Views to and from the asset and the construction of the Proposed Scheme are largely screened by dense tree cover.	No change	Neutral	No impact on significance	No change	Neutral
CWMo8o	Park Lodge, The Belfry	None	Low	The asset occupies a roadside location approximately 550m from the main line of Proposed Scheme. The Proposed Scheme will alter the wider rural setting of the property but this will not substantially degrade the significance of the asset.	Low adverse	Minor adverse	Trains will be visible at distance. There will not be significant noise impacts at the asset. Operational changes will result in a minimal adverse impact. There will also be a low adverse construction impact. The combined permanent construction and operational impacts will adversely affect the setting of the asset, resulting in a low adverse impact.	Low adverse	Minor adverse
CWMo81	Designated buildings and structures on the Birmingham and Fazeley Canal including Bodymoor Heath bridge Cheatle's Farm bridge; Dog and Doublet Inn; Lock south of Cheatle's Farm bridge.	Listed Buildings	Moderate	The construction of the Proposed Scheme may be visible approximately 700m to the west from the assets across open land and there may be associated construction noise. However, the distance is such that the Proposed Scheme will not notably degrade their setting and significance.	Minimal adverse	Minor adverse	Trains may be visible to the west. This will only very slightly affect the setting of the assets. There will also be a minimal adverse construction impact as a result of changes to the setting of the asset. The combined permanent construction and operational impacts will adversely affect the setting of the asset, resulting in a low adverse impact.	Low adverse	Minor adverse
CWMo82	Homestead Farm, Bodymoor Heath Road	None	Not significant	There will be longer distance views towards the Proposed Scheme which will degrade the wider rural setting of the asset.	Permanent medium adverse	Permanent negligible adverse	Trains will be visible from the asset and there will be a 3 to 5db increase in noise. This will result in a low adverse impact. There will also be medium adverse permanent construction impacts as a result of changes to the setting of the asset. The combined permanent constructional and operational impacts will adversely alter characteristics of the setting of this asset, resulting in a medium adverse impact.	Medium adverse	Negligible Adverse

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identifier				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
CWMo83	Middleton House Farm	None	Low	The rural setting of the farm will be significantly altered during construction works which will involve the use of associated modern farm building for a construction compound and their subsequent demolition. An embankment will be constructed c.10m to the east. There is likely to be an increase in noise associated with construction. This will result in a high adverse temporary impact and moderate adverse effect.	Temporary high adverse Permanent high adverse	Temporary moderate adverse Permanent moderate adverse	There will be a significant increase in noise and trains will be visible from the environs of the asset. These changes will result in a high adverse impact. There will also be high adverse permanent construction impact. The combined permanent construction and operational impacts will adversely alter key characteristics of the setting of this asset, resulting in a high adverse impact.	High adverse	Moderate adverse
CWMo84				The Proposed Scheme will require the demolition of associated farm buildings which form the immediate setting of the main house. Following construction the presence of embankments within c.10m of the farm will permanently adversely affect its setting by dividing the farm from the historic landscape to the east and visually dominating it. This will result in a high adverse impact and moderate adverse effect.					
CWMo84	Primrose Cottage, Bodymoor Heath Road	None	Low	The realigned Bodymoor Heath Lane will be situated on embankments in the vicinity of the asset. This and presence of the Proposed Scheme to the south and south-west will considerably alter the generally open rural setting of this agricultural cottage. This will affect its significance.	Medium adverse	Minor adverse	Trains will be visible from the asset and there will be a 6 to 10db increase in noise. This will result in a medium adverse impact. There will also be medium adverse permanent construction impacts as a result of changes to the setting of the asset. The combined permanent constructional and operational impacts will adversely alter characteristics of the setting of this asset, resulting in a medium adverse impact.	Medium adverse	Minor adverse
CWMo85	Lower Farm, Bodymoor Heath Road	None	Low	There will be longer distance views towards the Proposed Scheme which will slightly degrade the wider rural setting of the asset.	Low adverse	Minor adverse	Trains will be visible from the asset but there will not be significant noise impacts. This change will result in a negligible adverse impact. There will also be low adverse permanent construction impacts. The combined permanent constructional and operational impacts will adversely alter characteristics of the setting of this asset, resulting in a low adverse impact.	Low adverse	Minor Adverse
CWMo86	Moorash Farmhouse	Listed Building	Moderate	There is not considered to be any impact to the structure or setting of this asset. The route of the Proposed Scheme does not impact the surroundings in which the asset is experienced.	No change	Neutral	No impact on significance	No change	Neutral
CWM094	Pool House Farm, Brick Kiln Lane	None	Not significant	The Proposed Scheme will dominate the setting of this asset being approximately 6om to the east.	High adverse	Negligible adverse	Trains may be visible from the house but there will not be a significant noise impact, this will result in a low adverse impact. There will also be a high adverse permanent construction impact. The combined permanent construction and operational impacts will increase the overall impact of the scheme on this asset, resulting in a high adverse impact.	High adverse	Negligible Adverse
CWMo95	Hunts Green, Wishaw Lane	None	Low	This asset is situated within a rural setting to the south of the hamlet of Hunts Green. Whilst the Proposed Scheme may be visible from the asset, the distance (c.500m) and intervening vegetation and proposed screening mean that it will not degrade its setting.	No change	Neutral	No impact on significance	No change	Neutral
CWMo96	Kingsbury swivel bridge and lock, Birmingham and Fazeley canal	Listed Building	Moderate	There is not considered to be any impact to the structure or setting of this asset. The route of the Proposed Scheme does not impact the surroundings in which the asset is experienced.	No change	Neutral	No impact on significance	No change	Neutral
CWMo97	Hunts-green Farm, Wishaw Lane, Hunts Green	None	Low	The route of the Proposed Scheme passes c.200m to the east of the asset and required the realignment of the A4091. These works will impact on the configuration of surrounding historic landscape, disrupt views eastwards and generally impose a highly notable new element of modern infrastructure into the largely rural setting of this asset.	Medium adverse	Minor adverse	There will not be a significant noise impact at the asset but trains will be visible at a distance to the east. This will result in a low adverse impact. There will also be medium adverse permanent construction impact. The combination of operational and the permanent construction impacts will result in a medium adverse impact.	Medium adverse	Minor adverse

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identifier				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect
CWMo98	Group of residential and farm buildings at Park Lane and Wishaw Lane, Hunts Green: Park House, Park Lane; Cottage, Park Lane; Park Farm, Wishaw Lane; The White Farmhouse, Wishaw Lane.	None	Low	The Proposed Scheme is located approximately 400m to the east across fields. The embankment carrying the re-aligned A4091 will be visible in views and will disrupt the rural setting of the asset as will the Langley Brook viaduct.	Low adverse	Minor adverse	No impact on significance	No change	Neutral
CWMogg	Middleton Park	None	Low	The setting of the parkland will be adversely affected during construction of cuttings and embankments for the Proposed Scheme which extends through the western area of the park. The area impacted lies across a designed view providing woodland framed glimpses of Middleton Hall from the western park boundary. This will result in a medium adverse temporary impact and minor adverse effect. Following the construction of the scheme the park will be permanently affected through the removal of an area of the parkland along its existing boundary to the south-west of the hall. This will alter the integrity of the remaining parkland and designed views to and from Middleton Hall. This will result in a medium adverse permanent impact and minor adverse effect.	Temporary medium adverse Permanent medium adverse	Temporary minor adverse Permanent minor adverse	Western and southern areas of the park will experience some noise resulting in a low adverse impact. Trains may be visible. There will also be a medium adverse permanent construction impact. The combined permanent construction and operational impacts will adversely alter key characteristics of the setting of this asset, resulting in a medium adverse impact.	Medium adverse	Minor adverse
CWM100	Middleton Hall historic building complex	Listed Building	High	The setting of the buildings will be altered by the disruption of designed views across associated parkland during the construction of a cutting and embankments for the Proposed Scheme. This will result in a low adverse temporary impact and moderate adverse effect. Following the construction of the Proposed Scheme there will be an impact to the integrity of the surrounding parkland and the disruption of designed views. This will permanently adversely affect the setting of Middleton Hall. This will result in a low adverse impact and moderate adverse effect.	Temporary low adverse Permanent low adverse	Temporary moderate adverse Permanent moderate adverse	Trains may be visible within designed views across surrounding parkland. This will result in a low adverse impact. There will also be a low adverse permanent construction impact. The combined permanent construction and operation impacts will adversely alter some characteristics of the setting of this asset, resulting in a low adverse impact.	Low adverse	Moderate adverse
CWM101	Garden wall, gatepiers and pavilion approximately 50 metres north west of Middleton hall	Listed Building	Moderate	Whilst there are no direct impacts to the asset, there is considered to be an impact to elements of its setting. Principally this comprises an impact to the integrity of the surrounding parkland which will be impacted by the construction of the Proposed Scheme and from which the asset draws part of its significance.	Low adverse	Minor adverse	No impact on significance	Low adverse	Minor Adverse
CWM102	Park-gate Farm, Church Lane	None	Moderate	The Proposed Scheme extends to the west of the farm house upon embankment, and includes the re-alignment of Church Lane directly to the west of the farm. The asset is partially screened to the west by modern farm buildings, but there will be an alteration of the setting disrupting views from the farm, altering the road west to Middleton and affecting the configuration of the surrounding historic landscape.	Low adverse	Minor adverse	No impact on significance	No change	Neutral
CWM103	Church of St John the Baptist, Middleton and Cross immediately south of the Church	Listed Building	High	Views from the church are screened by existing buildings and planting within the village. There is considered to be an impact on views towards the church where Church Lane is realigned due to the proposed route of the main line, resulting in a permanent adverse impact	Minimal adverse	Minor adverse	No impact on significance	No change	Neutral

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CWM105	Upper House Farm, Coppice Lane	None	Moderate	Following construction, there will be slight impact to the setting of the asset which will overlook the Proposed Scheme on embankments approximately 600m to the east across open farmland. This will disrupt the links with associated historic landscape.	Low adverse	Minor adverse	The Proposed Scheme will be visible, at a distance, c. 600m to the east and there will be a significant increase in noise. This will result in a low adverse impact. There will also be a low adverse permanent construction impact as a result of changes to the setting of the asset. The combined permanent construction and operational impacts will adversely alter key characteristics of the setting of this asset, resulting in a medium adverse impact.	Medium adverse	Moderate adverse
CWM106	Barn associated with Upper House Farm, Coppice Lane	None	Low	Following construction, there will be an impact to the setting of the asset which will overlook the Proposed Scheme on embankments approximately 500m to the east across open farmland. This will disrupt the links with associated historic landscape.	Low adverse	Minor adverse	The Proposed Scheme will be visible, at a distance, c.500m to the east and there will be a significant increase in noise. This will result in a medium adverse impact. There will also be a low adverse permanent construction impact as a result of changes to the setting of the asset. The combined permanent construction and operational impacts will adversely alter key characteristics of the setting of this asset, resulting in a medium adverse impact.	Medium adverse	Minor adverse
CWM107	Linear ditches west of scheduled moat	None	Moderate	Construction of the main line will require removal of linear ditches west of the scheduled moated site and south of Middleton House Farm. Double linear ditches extending west from the moated site. Identified as a cropmark on Cambridge University AP Probably medieval to post-medieval in date and may be related to moated site.	High adverse	Major Adverse	No impact on significance	No change	Neutral
CWM108	Circular feature	None	Not significant	The asset is not within the land required for construction of the Proposed Scheme and lies within parkland to the north of Middleton Hall. The proposed development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWM109	Former watercourse	None	Low	Partial removal of an undated former watercourse (palaeo-channel) north-east of Middleton village, resulting in a permanent adverse impact	Medium adverse	Minor Adverse	No impact on significance	No change	Neutral
CWM 110	Aldermore Spinney	Ancient Woodland	High	There is not considered to be any impact to the setting of this asset, located to the west of Middleton Village. Whilst the route of the Proposed Scheme may be visible from the asset, the distance of c.1.5km is such that it will not degrade its setting.	No change	Neutral	No impact on significance	No change	Neutral
CWM112	Trickley Coppice	Ancient Woodland	High	There is not considered to be any impact to the setting of this asset, located to the north-west of Middleton Village. Whilst the construction of the Proposed Scheme may be visible from the asset, the distance of c.1.5km is such that it will not degrade its setting.	No change	Neutral	No impact on significance	No change	Neutral
CWM113	Hams Hall Park and Garden	None	Low	The former park and gardens associated with the former hall has been almost wholly removed by industrial infrastructure. There may be remains of landscape features at the margins of the former park within the proposed land required for construction, but these will have been significantly removed from their original context by historic development. The Proposed Scheme will significantly not further degrade the asset	No change	Neutral	No impact on significance	No change	Neutral
CWM114	Site of former Lea Bridge and 20th century bridge	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWM115	Lea Bridge	None	Low	There is not considered to be any impact to the structure or setting of this asset. Whilst the construction of the Proposed Scheme may be visible from the asset, the distance is such that it will not to degrade its setting.	No change	Neutral	No impact on significance	No change	Neutral

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CWM116	Pit alignments, ditches and possible ring ditch cropmarks	None	Moderate	The assets have been at least partially removed by historic quarrying activity. Any remaining assets are not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWM118	Dunton Wharf and former lime kilns	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The asset's setting is dominated by modern infrastructure and the Proposed Scheme will not add to that modern context, The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWM119	Site of a Malthouse	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWM122	Moxhull Pool	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWM123	Moat at the former Moxhull Hall (now the Belfry)	None	Low	The asset is not within the land required for construction of the Proposed Scheme. The development does not, therefore, affect the significance of the asset.	No change	Neutral	No impact on significance	No change	Neutral
CWM127	Bodymoor Heath historic buildings	None	Low	There is not considered to be any impact to the structure or setting of these assets. Whilst the construction of the Proposed Scheme may be visible from the asset, the distance is such that it will not degrade its setting.	No change	Neutral	No impact on significance	No change	Neutral
CWM129	Marston Farm hotel	None	Low	The main line of the Proposed Scheme will be situated approximately 600m to the west of the asset across the canal and over fields. The Kingsbury Railway would lie to the south over the M42. The asset's rural outlook to the west will be altered by the scheme and this and the railhead will intensify the presence of modern infrastructure in the setting of the asset.	Medium adverse	Minor adverse	Trains may be visible to the west and the operation of the railhead may be noticeable. This will result in a low adverse impact. There will also be a medium adverse construction impact as a result of changes to the setting of the asset. The combined permanent construction and operational impacts will adversely affect the setting of the asset, resulting in a medium adverse impact.	Medium adverse	Minor adverse
CWM130	Grange Farm and Cottages	None	Low	Asset is situated adjacent to a major roundabout and its rural setting has been sustainably degraded. The Proposed Scheme will be situated on embankment and viaduct approximately 700m to the east across open farmland. This will slightly increase the sense of modern infrastructure dominating the setting of the asset.	Low adverse	Minor adverse	No impact on significance	No change	Neutral
CWM131	Woodhouse Farm	None	Low	A large balancing pond with associated planting will be created to the east of the farm on the opposite side of the lane. This will alter the setting of the farm but will not notably degrade its significance.	Low adverse	Minor adverse	No impact on significance	No change	Neutral
CWM132	Coton Villa	None	Low	There is not considered to be any impact to the structure or setting of this asset. Whilst the Proposed Scheme may be visible from the asset, the distance is such that it is will not degrade its setting.	No change	Neutral	No impact on significance	No change	Neutral
CWM133	Marston historic settlement	None	Moderate	The proposed Kingsbury Road Railhead is located 500m to the west of the settlement. There will be a limited impact to setting disrupting views across land to the west and north-west. Seeney Lane to the west of the settlement will be widened.	Low adverse	Minor adverse	No impact on significance	No change	Neutral
CWM134	Heath House Farm	None	Low	The Kingsbury Railhead lies approximately 500m to the south of the farm and will slightly affect its wider setting. The setting has already been altered by the M42 and extensive areas of, now water filled, gravel extraction.	Minimal adverse	Minor adverse	No impact on significance	No change	Neutral

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identifier				Nature of impact including mitigation	Scale of	Effect	Nature of impact including mitigation	Scale of	Effect
					impact			impact	
COL102	Curdworth Bridge	None	Low	The Proposed Scheme will cross the River Tame approximately 400m to the east of the asset with an intervening existing railway viaduct. The significance of the asset will not be affected by the presence of the Proposed Scheme to the east.	No change	Neutral	No impact on significance	No change	Neutral
CWM136	Former Barn at Dunton Hall	None	Not significant	Possible removal of archaeological remains within the land required for construction of the Proposed Scheme, resulting in a permanent adverse impact.	High adverse	Negligible adverse	No impact on significance	No change	Neutral
CWM137	Non-designated buildings in Lea Marston.	None	Low	There will not be any impact on the structure or setting of these assets. The Proposed Scheme is located to the south and west of the assets, and although it may be seen from the asset, the distance is far enough to not be deemed as significant.	No change	Neutral	No impact on significance	No change	Neutral
CWM146	Birmingham and Fazeley Canal, Double Bridge and Curdworth lock 8 No35	None	Low	There will not be any impact on the structure or setting of these assets. The Proposed Scheme is located to the south and west of the assets, and although it may be seen from the asset, the distance is far enough to not be deemed as significant.	No change	Neutral	No impact on significance	No change	Neutral
CWM148	Kingsbury and Water Orton Railway	None	Not Significant	No impact on significance	No change	Neutral	No impact on significance	No change	Neutral